

National Climatic Data Center

DATA DOCUMENTATION

FOR

DATASET 9680 (DSI-9680)

GATE

February 25, 2004

National Climatic Data Center  
151 Patton Ave.  
Asheville, NC 28801-5001 USA

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1. **Abstract:** The GARP Atlantic Tropical Experiment (GATE) was the first major international experiment of the Global Atmospheric Research Program (GARP). It was conducted over the tropical Atlantic and adjacent land areas under the joint auspices of the World Meteorological Organization and the International Council of Scientific Unions.

The purpose of the GATE experiment was to understand the tropical atmosphere and its role in the global circulation of the atmosphere. It was the first major experiment of the Global Atmospheric Research program, whose goal was to understand the predictability of the atmosphere and extend the time range of daily weather forecasts to over two weeks.

The experiment took place in the summer of 1974 in an experimental area that covered the tropical Atlantic Ocean from Africa to South America. The work was truly international in scope, and involved 40 research ships, 12 research aircraft, numerous buoys from 20 countries all equipped to obtain the observations specified in the scientific plan.

2. **Element Names and Definitions:**

More information can be found here:

<http://www.ametsoc.org/sloan/gate/>

3. **Start Date:** 19740601

4. **Stop Date:** 19740930

5. **Coverage:**

- a. Southernmost Latitude: 05.0S
- b. Northernmost Latitude: 12.0N
- c. Westernmost Longitude: -27.0W
- d. Easternmost Longitude: -20.0W

6. **How to Order Data:**

Ask NCDC's Climate Services about the cost of obtaining this data set.  
Phone: 828-271-4800  
FAX: 828-271-4876  
E-mail: [NCDC.Orders@noaa.gov](mailto:NCDC.Orders@noaa.gov)

7. **Archiving Data Center:**

Archive Branch  
National Climatic Data Center  
151 Patton Avenue  
Asheville, NC 28801

8. **Technical Contact:**

National Climatic Data Center

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151 Patton Avenue  
Asheville, NC 28801

9. Known Uncorrected Problems: None.
10. Quality Statement:
11. Essential Companion Datasets:
12. References: